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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): TURPEN, et al  
Serial No.: 10/602,219  
Filed: 6/23/2003  
Title: Production of Lysosomal Enzymes in  
Plants by Transient Expression  
Attorney Docket No.: LSBC-0087-CN09B



Group Art Unit: 1652  
Examiner: Delia M. RAMIREZ

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Applicants submit herewith Form 1449, which lists references that were cited in Forms 1449 and Forms 892 that were cited by or submitted to the U.S. Patent and Trademark Office in Application No. 09/993,059, filed November 13, 2001; and 09/626,127, filed July 26, 2000, which is relied upon an earlier filing date under 35 U.S.C. 120. Thus, copies of these references are not attached since they are available in the parent files. 34 CFR 1.98(d).

It is respectfully requested that the cited information on the attached Form 1449 be expressly considered during the prosecution of this application, and that the references be made record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This Supplemental Information Disclosure Statement is being filed within three months of the U.S. filing date or before the mailing date of a first Office Action on the merits. No statement under 37 C.F.R. § 1.97(e) or fee is required.

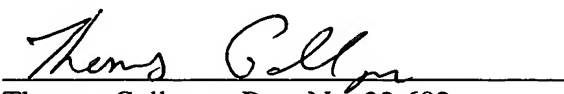
It is requested that the information disclosed herein be made of record in this application.

I hereby certify that this Correspondence is being deposited with the United States Postal service with sufficient postage for first class mail in an envelope address to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: 6 April 2005

  
Thomas Gallegos, Reg. No. 32,692

Respectfully submitted,

  
Thomas Gallegos, Reg. No. 32,692  
Attorney for Applicant(s)  
Large Scale Biology Corporation

Date: 6 April 2005

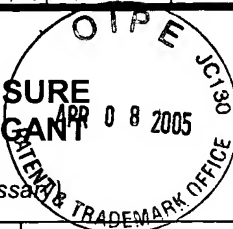
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/602,219
Filing Date	6/23/2003
First Named Inventor	TURPEN
Art Unit	1652
Examiner Name	Delia M. RAMIREZ
Attorney Docket Number	LSBC-0087-CN09B

Sheet 1 of 3

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		4,921,902	5/1/1990	HALL, et al.	
		5,316,931	5/31/1994	DONSON, et al.	
		5,401,650	3/28/1995	DESNICK, et al.	
		5,356,804	10/18/1994	DESNICK, et al.	
		5,589,367	12/31/1996	DONSON, et al.	
		5,618,699	4/8/1997	HAMAMOTO, et al.	
		5,955,647	9/21/1999	FITCHEN, et al.	
		5,977,438	11/02/1999	TURPEN, et al.	
		6,033,895	3/7/2000	GARGER, et al.	
		6,042,832	3/28/2000	KOPROWSKI, et al.	
		6,210,666	4/3/2001	MIYAMURA	
		6,232,099	5/15/2001	CHAPMAN, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP 0174759	3/19/1986	JAMES, et al.		
		EP 0197809	10/15/1986	DELGRANGE, et al.		
		EP 0672754	9/20/1995	HAMAMOTO, et al.		
		EP 0726312	8/14/1996	EKEZE, et al.		
		WO 92/18618	10/29/92	LOMONOSSOFF, et al.		
		WO 95/21248	8/10/1995	FITCHEN, et al.		
		WO 96/02649	2/1/1996	LOMONOSSOFF		
		WO 96/12027	4/25/1996	CHAPMAN, et al.		
		WO 96/12028	4/25/1996	TURPEN, et al.		
		WO 97/10353	3/20/1997	RADIN, et al.		
		WO 97/39134	10/23/1997	WILSON, et al.		
		WO 97/49425	12/31/1997	BEEKMAN, et al.		
		WO 99/46288	9/16/1999	GARGER, et al.		

Examiner  
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/602,219
				Filing Date	6/23/2003
				First Named Inventor	TURPEN
				Group Art Unit	1652
				Examiner Name	Delia M. RAMIREZ
Sheet	2	of	3	Attorney Docket Number	LSBC-0087-CN09B

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite <sup>1</sup> No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BAKER, et al., "Polyethylenimine (PEI) is a simple, inexpensive and effective reagent for condensing and linking plasmid DNA to adenovirus for gene delivery", <i>Gene Therapy</i> (1997) 4:773-782	
		DAWSON, et al., "A Tobacco Mosaic Virus-Hybrid Expresses and Loses an Added Gene", <i>Virology</i> (1989) 172:285-292	
		DAWSON, et al., "cDNA cloning of the complete genome of tobacco mosaic virus and production of infectious transcripts", <i>Proc. Natl. Acad. Sci. USA</i> (1986) 83:1832-1836	
		DAWSON, et al., "Modifications of the tobacco mosaic virus coat protein gene affecting replication, movement, and symptomatology", <i>Mol. Plant Pathol.</i> (1988) 78(6):783-789	
		DONSON, et al., "Systemic expression of bacterial gene by a tobacco mosaic virus-based vector", <i>Proc. Natl. Acad. Sci. USA</i> (1991) 88:7204-7208	
		HAMAMOTO, et al., "A new tobacco mosaic virus vector and its use for the systemic production of angiotensin-I-converting enzyme inhibitor in transgenic tobacco and tomato", <i>Bio/Tech.</i> (1993) 11:930-932	
		HAYNES, et al., "Development of a genetically-engineered, candidate polio vaccine employing the self-assembling properties of the tobacco mosaic virus coat protein", <i>Bio/Tech.</i> (1986) 4:637-641	
		JADADISH, et al., "High level production of hybrid potyvirus-like particles carrying repetitive copies of foreign antigens in <i>Escherichia coli</i> ", <i>Bio/Tech.</i> (1993) 11:1166-1170	
		KORNREICH, et al., Swiss Prot accession number AGAL_HUMAN, January 1988	
		KREBBERS, et al., "Prospects and progress in the production of foreign proteins and peptides in plants", <i>Plant Protein Engineering</i> , Shewry, et al., Eds., Cambridge University Press, Cambridge (1992) pp. 316-324	
		MURRAY, "Lectin-specific targeting of lysosomal enzymes to reticuloendothelial cells", <i>Methods in Enzymology</i> (1987) 149:25, 39, 41-42	
		MURRAY, et al., "Production of Recombinant Human Glucocerebrosidase in Plants", <i>Fed. of American Soc. for Experimental Biology</i> , (April 1996) 10(6):a1126	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.  
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Sheet	3	of	3	Attorney Docket Number	LSBC-0087-CN09B

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		TAKAMATSU, et al., "Production of enkephalin in tobacco protoplasts using tobacco mosaic virus RNA vector", <i>FEBS Lett.</i> (1990) 269(1):73-76	
		TURPEN, et al., "Malarial epitopes expressed on the surface of recombinant tobacco mosaic virus", <i>Bio/Tech.</i> (1995) 13:53-57	
		YUSIBOV, et al., "Antigens produced in plants by infection with chimeric plant viruses immunize against rabies virus and HIV-1", <i>Proc. Natl. Acad. Sci. USA</i> (1997) 94:5784-5788	

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